



# STIC Search Report

## EIC 3600

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To: Donna Wildermuth  
Location: 3B49  
Art Unit : 3637  
Friday, January 20, 2006


Case Serial Number: 10/812468

From: Etelka R. Griffin  
Location: EIC 3600  
KNOX/4B68  
Phone: 571-272-4230

Etelka.griffin@uspto.gov

### Search Notes

LITIGATION-6189616

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility, Design and Plant Patents](#)   
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522913 (09) 6189616 February 20, 2001

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6189616

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February 20, 2001

Expandable wellbore junction

**APPL-NO:** 522913 (09)


**FILED-DATE:** March 10, 2000

**GRANTED-DATE:** February 20, 2001

**CORE TERMS:** wellbore, tubular, connector, radially, sealing, lateral, packer, casing, sealingly, grip ...

**ENGLISH-ABST:**

Multiple wellbores are interconnected utilizing a deflection device having a guide layer of lower hardness than the body of the deflection device, and a cutting tool having a guide portion and being operative to cut through the deflection device guide layer and a tubular structure lining a wellbore.

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility, Design and Plant Patents](#) 

Terms: **patno=6189616** ([Edit Search](#) | [Suggest Terms for My Search](#))

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Segments: Abst, Appl-no

Date/Time: Friday, January 20, 2006 - 11:00 AM EST



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**Patent Number :**

US6189616 B1 20010220 [US6189616]

**Title :**

(B1) Expandable wellbore junction

**Patent Assignee :**

(B1) HALLIBURTON ENERGY SERV INC (US)

**Patent Assignee :**

Halliburton Energy Services, Inc., Dallas TX [US]

**Inventor(s) :**

(B1) GANO JOHN C (US); BOWLING JOHN S (US); FREEMAN TOMMIE A (US);  
LONGBOTTOM JIM R (US)

**Application Nbr :**

US52291300 20000310 [2000US-0522913]

**Filing Details :**

Divsn of US086716 19980528 [1998US-0086716]

**Priority Details :**

US52291300 20000310 [2000US-0522913]  
US8671698 19980528 [1998US-0086716]

**Intl Patent Class :**

(B1) E21B-007/08 E21B-043/14

**EPO ECLA Class :**

E21B-007/06B  
E21B-023/04  
E21B-023/06  
E21B-029/06  
E21B-033/12  
E21B-033/12F  
E21B-033/12F2  
E21B-033/127  
E21B-041/00L2  
E21B-043/10F

**US Patent Class :**

ORIGINAL (O) : 166298000; CROSS-REFERENCE (X) : 166055100 166117600  
166313000 166376000 175081000

**Document Type :**

Corresponding document

**Citations :**

US2331293; US2397070; US4444276; US5318122; US5330007; US5348095;  
US5388648; US5425559; US5655602; US5695008; US5718288; US5771972;  
US5794702; US5813465; US5937955; US6059037; EP0136935; EP0795679 A2;  
WO9623953; WO9706345; WO9913195  
Drilling Engineering Association "Rapid Juntion" Project Proposal Form,  
Undated 1998 DEA Rapid Junction Proposal, dated Jan. 15, 1998.

**Publication Stage :**

(B1) U.S. Patent (no pre-grant pub.) after jan. 2, 2001

**Abstract :**

Multiple wellbores are interconnected utilizing a deflection device having a guide layer of lower hardness than the body of the deflection device, and a cutting tool having a guide portion and being operative to cut through the deflection device guide layer and a tubular structure lining a wellbore.

**Update Code :**

2001-14

1 / 1 LGST - @EPO

**Patent Number :**

US6189616 B1 20010220 [US6189616]

**Application Number :**

US52291300 20000310 [2000US-0522913]

**Action Taken :**

20030513 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20030214

20040928 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20040330

20050628 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20040330

**Update Code :**

2005-27

1 / 1 CRXX - @CLAIMS/RRX

**Patent Number :**

6,189,616 A 20010220 [US6189616]

**Patent Assignee :**

Halliburton Energy Services Inc

**Actions :**

20030214 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20030513  
REISSUE REQUEST NUMBER: 10/367619  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3672

Reissue Patent Number:

20040330 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20040928  
REISSUE REQUEST NUMBER: 10/812597  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3672

Reissue Patent Number:

20040330 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20050628  
REISSUE REQUEST NUMBER: 10/812468  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3672

Reissue Patent Number:

1 / 1 INPADO - @INPADO

**Patent Number :**

US 6189616 BA 20010220 [US6189616]

**Title :**

EXPANDABLE WELLBORE JUNCTION

**Inventor(s) :**

GAO JOHN C [US]; FREEMAN TOMMIE A [US]; LONGBOTTOM JIM R [US]; BOWLING  
JOHN S [US]

**Patent Assignee (Words) :**

HALLIBURTON ENERGY SERV INC [US]

**Application Details :**

US 522913/00-A 20000310 [2000US-0522913]

**Priority Details :**

US 522913/00-A 20000310 [2000US-0522913]

US 86716/98-A3 19980528 [1998US-0086716]

**Intl. Patent Class. :**

E21B-007/08; E21B-043/14

1 / 1 LGST - @EPO

**Patent Number :**

US6189616 B1 20010220 [US6189616]

**Application Number :**

US52291300 20000310 [2000US-0522913]

**Action Taken :**

20030513 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20030214

20040928 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20040330

20050628 US/RF-A  
REISSUE APPLICATION FILED  
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